



The HLA Object Model Development Process

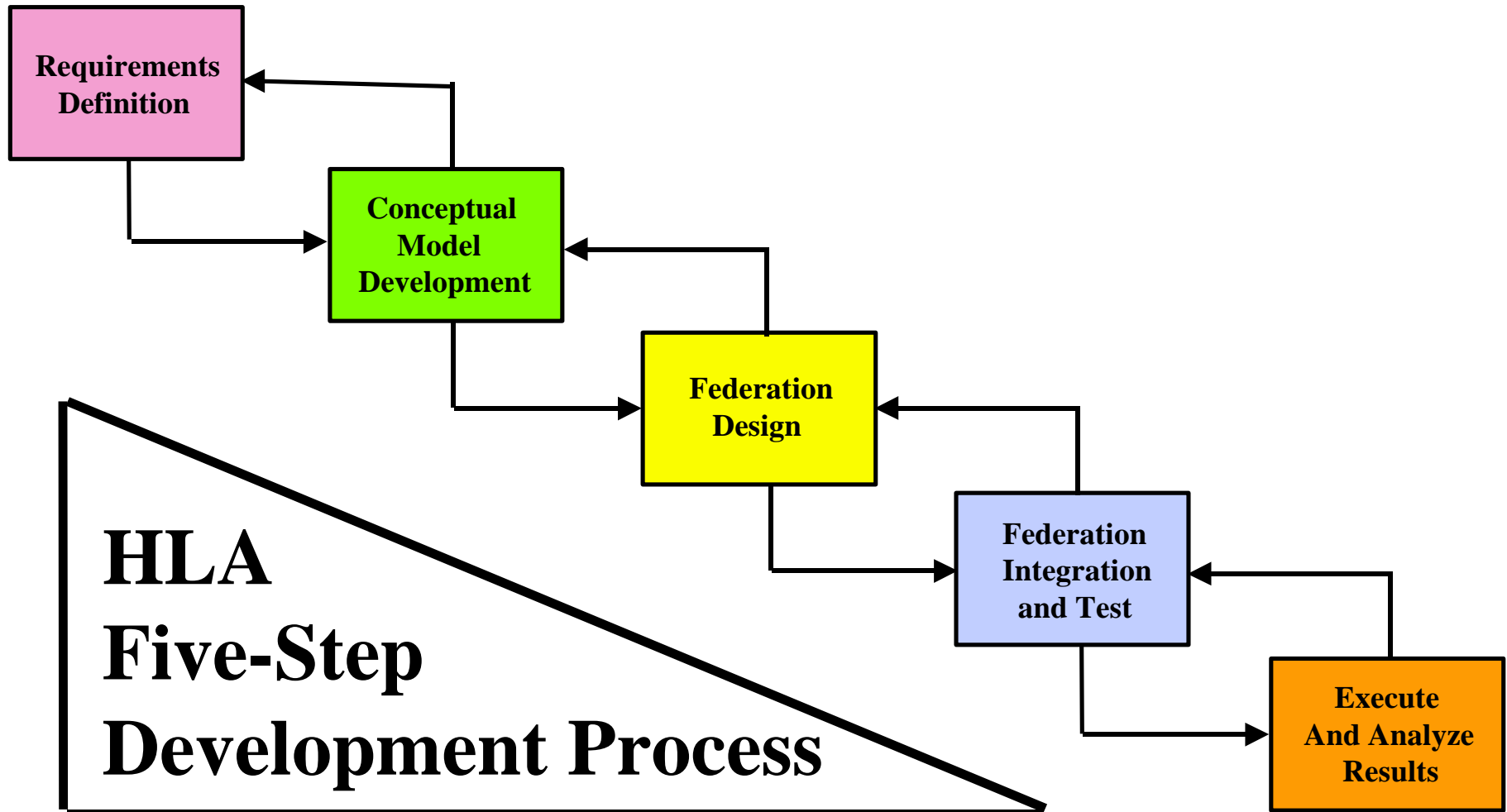
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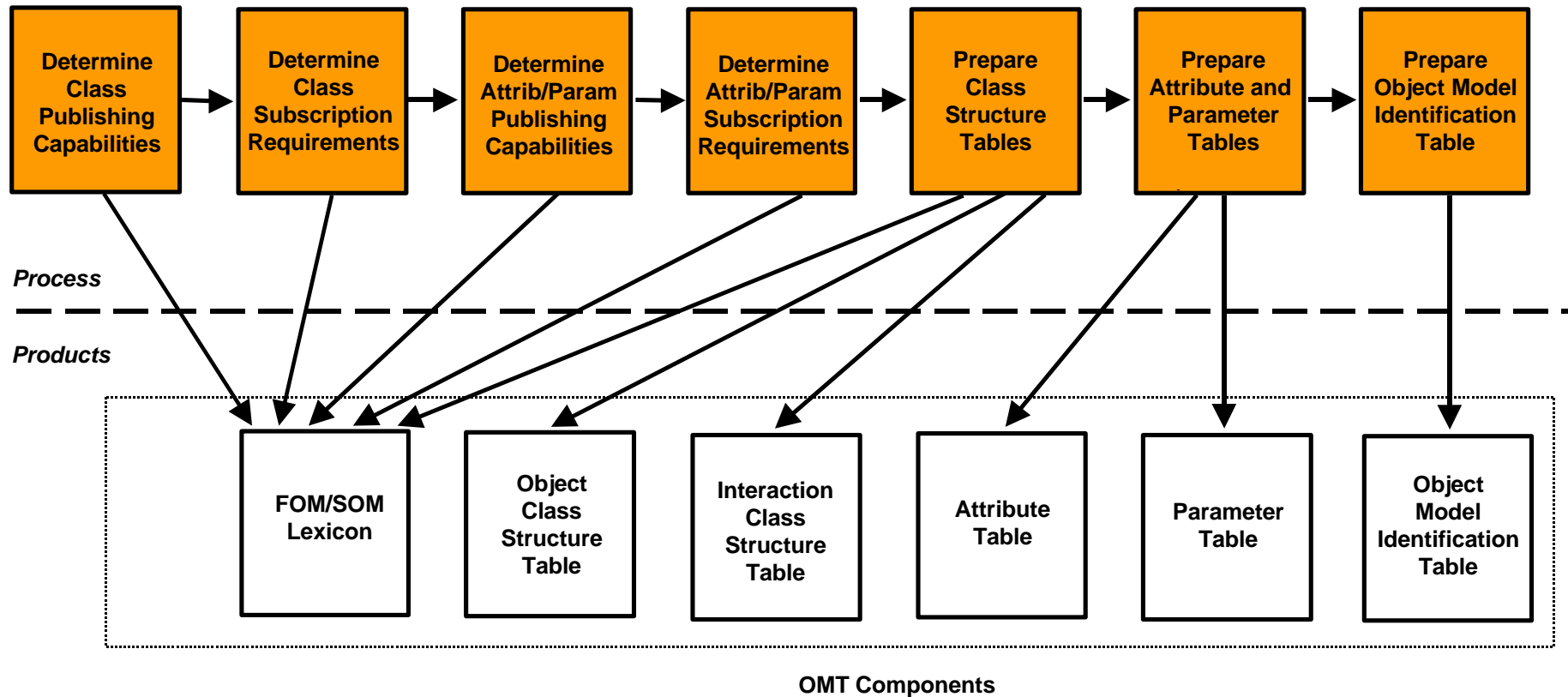
Introduction

- **Feedback from HLA prototype federations (protofederations) emphasized need for process descriptions for HLA federation and object model development**
- **HLA Federation Development and Execution Process (FEDEP) Model developed through cooperative effort between HLA protofederations and HLA TSTCore**
- **Sharing of OM development concepts among HLA protofederations (via the OMT Working Group) provided the foundation of the HLA Object Model Development Process**

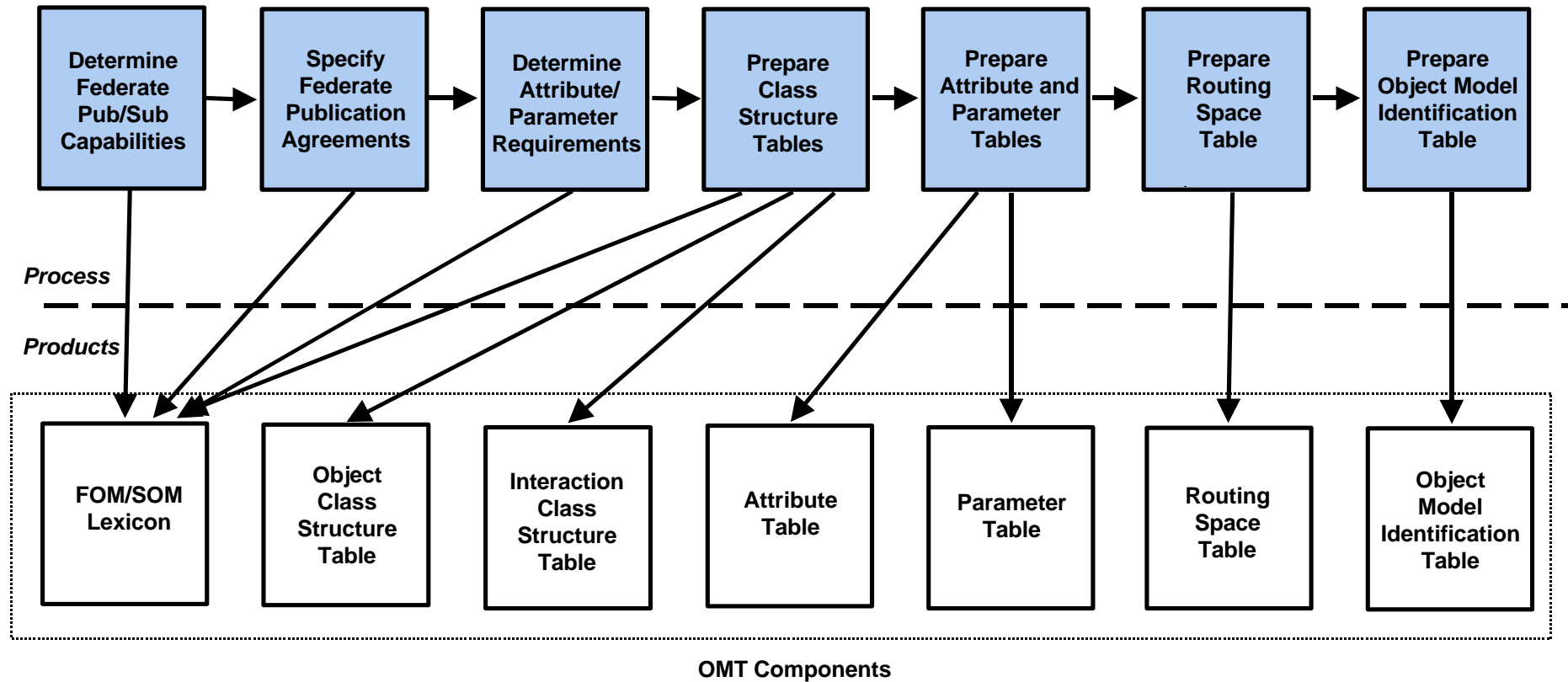
HLA FEDEP Model



SOM Development Process



FOM Development Process



HLA Object Model Tools

- **DMSO has sponsored an integrated suite of tools to support the development, management, and use of HLA object models and OM Data Dictionary contents:**
- **Object Model Development Tool (OMDT)**
 - Editor for the creation and modification of FOMs and SOMs
- **Object Model Library (OML)**
 - A central repository to support the sharing and reuse of FOMs and SOMs
- **Object Model Data Dictionary System (OMDDS)**
 - A central repository of OMDD contents for use in creating FOMs and SOMs

Object Model Development Tool

- **Purpose**
 - Electronic entry and maintenance of HLA object model data
- **Design**
 - Windows 95/NT application, implemented in Visual C++
- **Features**
 - Reads/writes OMT DIF files
 - Reads/writes Federation Execution Data (FED) files
 - Reads OMDD DIF files
 - Interface to commercial OO CASE tools
 - Multiple document interface
 - “Smart” cut/copy/paste
 - Consistency checking
 - On-line help

Object Model Library

- **Purpose**

- Provide a central library to support the reuse of FOMs/SOMs

- **Design**

- WWW-based application
- Compatible with any frames-capable web browser
- Centralized database

- **Features**

- Searching across FOMs/SOMs
- Browsing within an individual FOM or SOM
- Import and export of HLA object models (in OMT DIF)
- Provides means to associate metadata with a FOM or SOM
- On-line help

OM Data Dictionary System

- **Purpose**

- Provide access to an on-line dictionary of standards-based contents for FOM/SOM construction

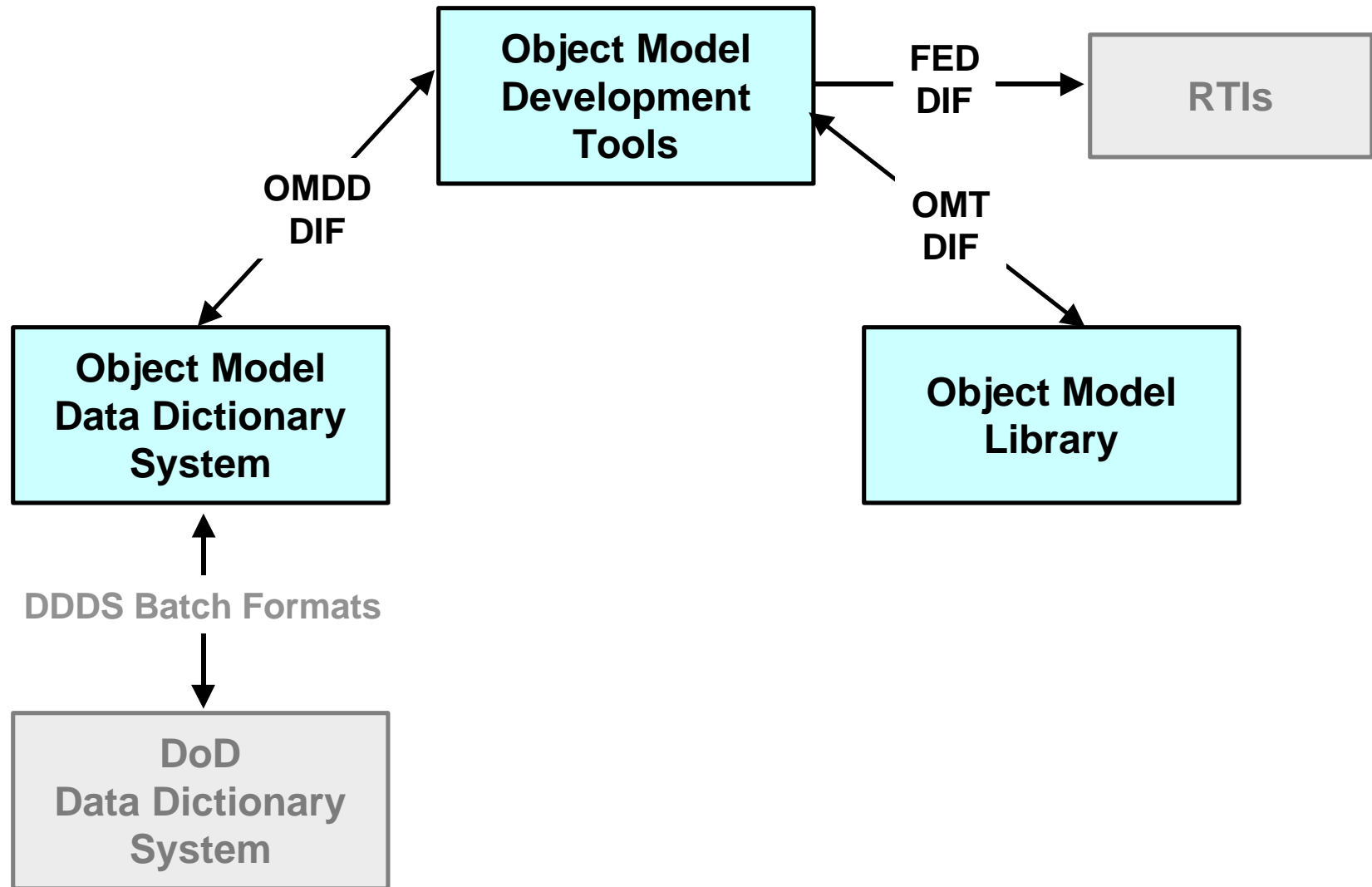
- **Design**

- WWW-based application
- Compatible with any Java Script-capable web browser
- Tested with Netscape 4.0 and Internet Explorer 4.0

- **Features**

- Browsing/Searching
- Viewing links between contents and source
- Persistent user selections
- Export of OMDD contents for use in OMDT
- On-line help

HLA Object Model Integrated Tools Suite



OM Tool Access

- **OMDT**
 - Register through HLA Software Distribution Center (<http://hla.dmsso.mil>)
- **OML and OMDDS**
 - Linked from the HLA web page
 - Select Federation Development Process and Tools
 - From there, select Federation Development Tools
 - Follow the links to the OML and OMDDS

Come see us in the DMSO booth!!!